FEATURES

- 3-way, 2 position valve (NO, NC & Distributor)
- Design incorporates thermoplastics and non-corrosive metals
- Offers high-density manifold mounting with convenient manifold to PC board interface
- Weighs only 7 g, perfect where low weight is critical to overall system



MEDIA COMPATIBILITY

Gases and select liquids

WETTED MATERIALS

Body:

PBT; LNP Thermocomp®

Elastomers:

FKM

Non-corrosive metals:

302 series stainless steel; 430 FR series stainless steel; CMI-B core iron; electroless nickel plating

ELECTRICAL

Power 0.5, 1.0 or 2.0 W

Voltage 5, 12, 24 $V_{DC} \pm 10\%$

PHYSICAL PROPERTIES

Operating environment	0 to 70 °C
Storage temperature	-40 to 70 °C
Length	38 mm (1.5 in)
Width	10 mm (0.394 in)
Height	15.5 mm (0.61 in)
Porting	Manifold mount (gasket and screws supplied)
Weight	7 a (0.23 oz)

Weight / g (0.23 oz)

Internal volume 0.0267 cm³

Filtration (recommended) 40 µm

Lubrication None required

Thermocomp® is a registered trademark of General Electric Company.

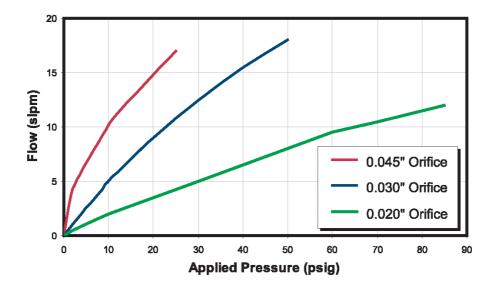
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PERFORMANCE CHARACTERISTICS

Part no.	Pressure	Vacuum	Orifice sizes/ Equivalent C _v ¹	Leak rate ²	Response		
SRS10	035 psig	027 "Hg (013 psi)	0.020" (0.510 mm)/				
SRS11	085 psig		0.0075 C _v				
SRS13	020 psig		0.030" (0.762 mm)/	≤0.016 sccm	<30 msec		
SRS14	050 psig		0.017 C _v	(bubble tight)	cycling (2 Watts)		
SRS16	010 psig		0.045" (1.143 mm)/				
SRS17	020 psig		0.027 C _V				

FLOW CURVES (typical air flow)³



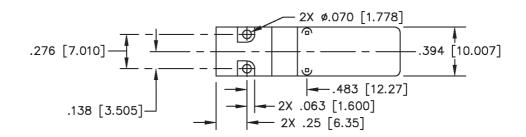
Notes:

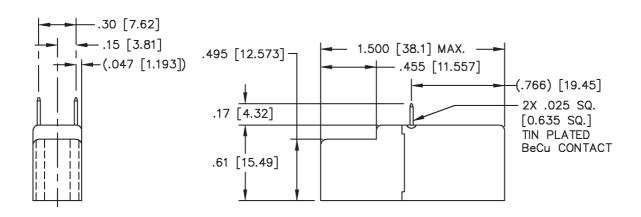
- ¹ The C_v value is the volume flow in US gallons/min under specific flow conditions and describes the relative flow capacity of a valve. If several valves with the same nominal diameter are compared, the valve with the highest C_v value has the best flow dynamics design. The equivalent european measure is the k_v value expressed in m³/h (k_v = 0.86 C_v).
- 2 sccm denotes Standard Cubic Centimeters per Minute. It is a unit for the flow rate at standard conditions of temperature and pressure. 1000 sccm = 1 slpm.
- ³ slpm denotes Standard Liters per Minute. It is a unit for the flow rate at standard conditions of temperature and pressure.
 1 slpm = 1000 sccm.

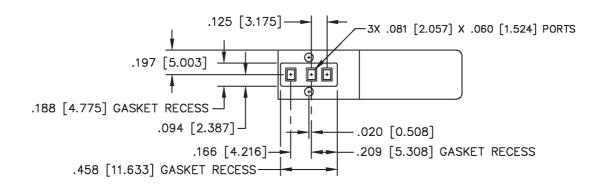
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OUTLINE DRAWING





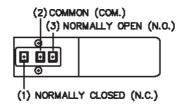


dimensions in inches (mm)

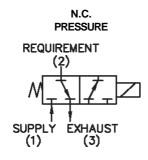
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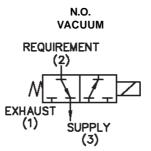


VALVE TYPE

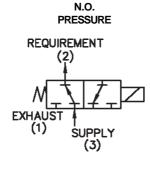


Type 1

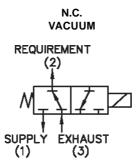




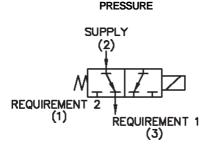
Type 2

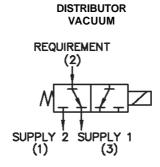


DISTRIBUTOR



Type 3

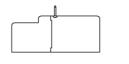




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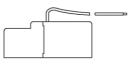
ELECTRICAL INTERFACE OPTIONS



SRS...F (Square pins, front)



SRS...M (Square pins, manifold)



SRS...L (Wire leads)

ORDERING INFORMATION

			Model no.						Seal				Electrical		
Series			Max. pressure	Orifice size	Coil wattage	Туре		Material		material		Voltage		connection	
Options	SRS	10:	035 psi	0.020" (0.510 mm)	0.5 W	1:	3-way NC	P:	PBT	V:	FKM	5:	5 V _{DC}	F:	0.025" square pins,
		11:	085 psi	0.020" (0.510 mm)	1 W	2:	3-way NO					12:	12 V _{DC}		front
		13:	020 psi	0.030" (0.762 mm)	0.5 W	3:	distributor					24:	24 V _{DC}	M:	0.025" square pins,
		14:	050 psi	0.030" (0.762 mm)	1 W										manifold interface
		16:	010 psi	0.045" (1.143 mm)	0.5 W										
		17:	020 psi	0.045" (1.143 mm)	1 W									L:	insulated wire leads, 18", front
Example:	SRS	10				2		Р		٧		12		M	

Note: Not all combinations might be available.

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